**Operator's manual**
**Manuel d'utilisation**
**Manual de instrucciones**

# 128LDX

Please read these instructions and make sure you understand them before using the machine.

Lire attentivement et bien assimiler le manuel d'utilisation avant d'utiliser la machine.

Lea detenidamente el manual de instrucciones y asegúrese de entender su contenido antes de utilizar la máquina.

**EN (2-24)**
**FR (25-47)**
**ES (48-70)**

# SYMBOL EXPLANATION

## Symbols

**WARNING:** Clearing saws, brushcutters and trimmers can be dangerous! Careless or incorrect use can result in serious or fatal injury to the operator or others.

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Always wear:
- A protective helmet where there is a risk of falling objects
- Hearing protection
- Approved eye protection

Max. speed of output shaft, rpm

Beware of thrown objects and ricochets.

The operator of the machine shall ensure, while working, that no persons or animals come closer than 15 metres.

Arrows which show limits for handle mounting.

Always wear approved protective gloves.

Use anti-slip and stable boots.

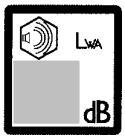
Only use non-metallic, flexible cutting attachments, i.e. trimmer heads with trimmer line.

This product is in accordance with applicable EC directives.

CE

Only intended for trimmer heads.

Noise emission to the environment according to the European Community's Directive. The machine's emission is specified in the Technical data section and on label.




Sound pressure level at 7,5 metres

Use unleaded or quality leaded petrol and two-stroke oil mixed at a ratio of 2% (1:50).

**Other symbols/decals on the machine refer to special certification requirements for certain markets.**

Stop the engine by pushing and holding the stop switch in the STOP position. **CAUTION!** The stop switch automatically returns to the start position. In order to prevent unintentional starting, the spark plug cap must be removed from the spark plug when assembling, checking and/or performing maintenance.

Regular cleaning is required.

Visual check.

Approved eye protection must always be used.

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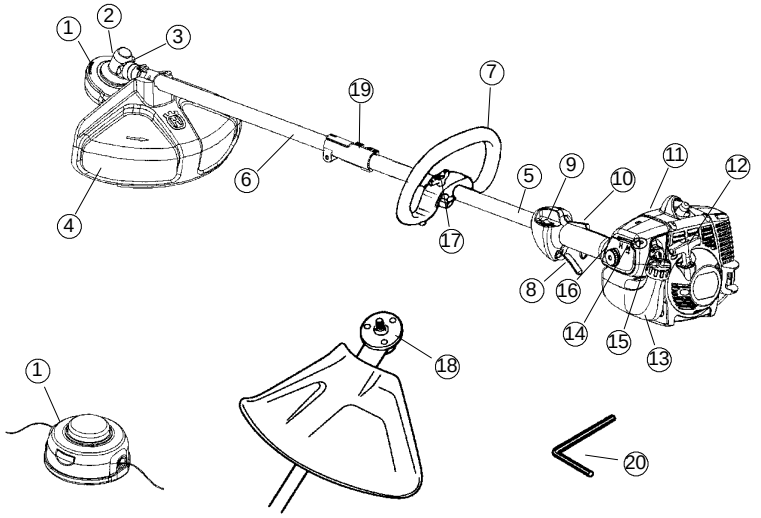
## Note the following before starting:

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice. Long-term exposure to noise can result in permanent hearing impairment. Always use approved hearing protection.

**WARNING: Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.**

**WARNING: A clearing saw, brushcutter or trimmer can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the contents of this operator's manual.**

## WHAT IS WHAT?



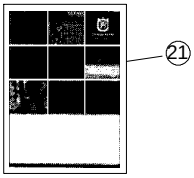







**Know your trimmer**

1. Trimmer head
2. Grease filler cap
3. Bevel gear
4. Cutting attachment guard
5. Upper shaft
6. Lower shaft
7. Loop handle
8. Throttle control
9. Stop switch
10. Throttle lock-out
11. Cylinder cover
12. Starter handle
13. Fuel tank
14. Choke control
15. Primer bulb
16. Air filter cover
17. Handle adjustment
18. Drive disc
19. Shaft coupling
20. Hex wrench
21. Operator's manual



# GENERAL SAFETY PRECAUTIONS

## Important

**IMPORTANT!** The machine is only designed for trimming grass.
The only accessories you can operate with this engine unit are the cutting attachments we recommend in the chapter on Technical data.
Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.
Wear personal protective equipment. See instructions under the heading Personal protective equipment.
Never use a machine that has been modified in any way from its original specification.
Never use a machine that is faulty. Carry out the checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance.
All covers and guards must be fitted before starting. Make sure the spark plug cap and lead are not damaged. Otherwise you could get an electric shock.
The machine operator must ensure that no people or animals come closer than 15 metres while working. When several operators are working in the same area, the safety distance should be at least 15 metres.

**WARNING: This machine produces an electromagnetic field during operation. Under some circumstances, this field may interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.**

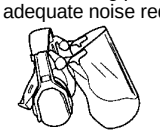
**WARNING: Never allow children to use or be in the vicinity of the machine. As the machine is equipped with a spring-loaded stop switch and can be started by low speed and force on the starter handle, even small children under some circumstances can produce the force necessary to start the machine. This can mean a risk of serious personal injury. Therefore remove the spark plug cap when the machine is not under close supervision.**

## Personal protective equipment

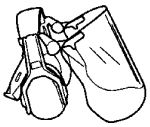
**IMPORTANT!** Whenever you use a clearing saw, brushcutter or trimmer you must wear personal protective equipment that is approved by the authorities. Personal protective equipment does not eliminate the risk of accidents, but it can reduce the effects of an injury in the event of an accident. Ask your dealer for help when choosing protective equipment.

**WARNING: Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the engine stops.**

**HEARING PROTECTION**
Wear hearing protection that provides adequate noise reduction.



**EYE PROTECTION**
Always wear approved eye protection. If you use a visor then you must also wear approved protective goggles. Approved protective goggles must comply with EN 166 in EU countries.



**GLOVES**
Gloves should be worn when necessary, e.g., when fitting cutting attachments.

**BOOTS**
Wear anti-slip and stable boots.

**CLOTHING**
Wear clothes made of a strong fabric and avoid loose clothing that can catch on shrubs and branches. Always wear heavy, long pants. Do not wear jewelry, shorts sandals or go barefoot. Secure hair so it is above shoulder level.

**FIRST AID KIT**
A first aid kit should be carried by operators of clearing saws, brushcutters or trimmers.

## Machine's safety equipment

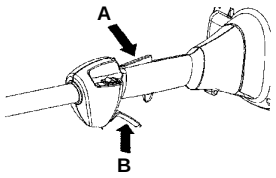
This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly. See the "What is what" section to locate where this equipment is positioned on your machine. The life span of the machine can be reduced and the risk of accidents can increase if machine maintenance is not carried out correctly and if service and/or repairs are not carried out professionally. If you need further information please contact your nearest service workshop.

**IMPORTANT!** All servicing and repair work on the machine requires special training. This is especially true of the machine's safety equipment. If your machine fails any of the checks described below you must contact your service agent. When you buy any of our products we guarantee the availability of professional repairs and service. If the retailer who sells your machine is not a servicing dealer, ask him for the address of your nearest service agent.

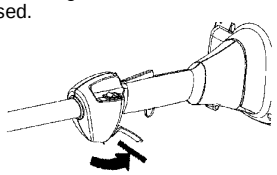
**WARNING: Never use a machine that has faulty safety equipment! Follow the control, maintenance and service instructions described in this section. If your machine fails any of these checks contact your service agent to get it repaired.**

### Throttle lock-out

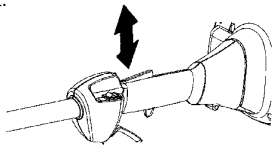
The throttle lock-out is designed to prevent accidental operation of the throttle control. When you press the lock-out (A) (i.e. when you grasp the handle) it releases the throttle control (B). When you release the handle, the throttle control and the throttle lock-out both move back to their original positions. This movement is controlled by two independent return springs. This arrangement means that the throttle control is automatically locked at the idle setting.



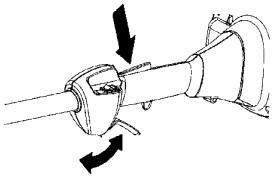

Make sure the throttle control is locked at the idle setting when the throttle lock-out is released.



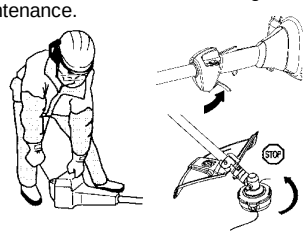
Press the throttle lock-out and make sure it returns to its original position when you release it.



Check that the throttle control and throttle lock-out move freely and that the return springs work properly.

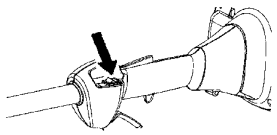


See instructions under the heading Start. Start the machine and apply full throttle. Release the throttle and check that the cutting attachment stops and remains at a standstill. If the cutting attachment rotates with the throttle in the idle position then the carburettor idle setting must be checked. See instructions under the heading Maintenance.

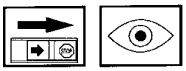


### Stop switch

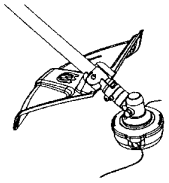
Make sure the engine stops when you push and hold the stop switch.



### Cutting attachment guard



This guard is intended to prevent loose objects from being thrown towards the operator. The guard also protects the operator from accidental contact with the cutting attachment.



Check that the guard is undamaged and not cracked. Replace the guard if it has been exposed to impact or is cracked.
Always use the recommended guard for the cutting attachment you are using. See the “Technical data” section.

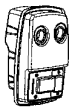
**WARNING: Never use a cutting attachment without an approved guard. See the section on “Technical data”. If an incorrect or faulty guard is fitted this can cause serious personal injury.**

Use of incorrectly wound trimmer line or an incorrect cutting attachment increases the level of vibration.

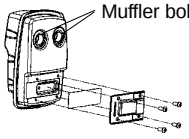
**WARNING: Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin color or condition. These symptoms normally appear in the fingers, hands or wrists. The risk increases at low temperatures.**

### Muffler

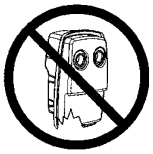
The muffler is designed to reduce the noise level and to direct the exhaust gases away from the operator.
**CAUTION!** Muffler is fitted with a catalytic convertic designed to reduce harmful exhaust gases.



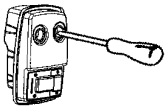
In countries that have a warm and dry climate there is a significant risk of fire. We therefore fit certain mufflers with a spark arrestor mesh. Check whether the muffler on your machine is fitted with this kind of mesh.




For mufflers, it is very important that you follow the instructions on checking, maintaining, and servicing your machine. Never use a machine that has a faulty muffler.



Regularly check that the muffler is securely attached to the machine.



**WARNING: Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!**

**WARNING: The inside of the muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.**

**WARNING: Bear in mind that: Engine exhaust fumes contain carbon monoxide, which can cause carbon monoxide poisoning. For this reason you should not start or run the machine indoors, or anywhere that is poorly ventilated. The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!**

## Cutting equipment

This section describes how to choose and maintain your cutting equipment in order to:
- Obtain maximum cutting performance.
- Extend the life of cutting equipment.

**IMPORTANT!**
Only use cutting attachments with the guards we recommend! See the section on "Technical data".
Refer to the instructions for the cutting attachment to check the correct way to load the trimmer line and the correct line diameter.

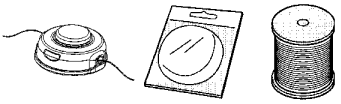
**WARNING: Always stop the engine before doing any work on the cutting attachment. This continues to rotate even after the throttle has been released. Ensure that the cutting attachment has stopped completely and disconnect the lead from the spark plug before you start to work on it.**

**WARNING: A faulty cutting attachment may increase the risk of accidents.**

### Trimmer head

**IMPORTANT!**
Always ensure the trimmer line is wound tightly and evenly around the drum, otherwise the machine will generate harmful vibration.

- Only use the recommended cutting attachments. See the section on "Technical data".



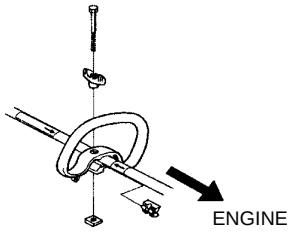
- Smaller machines generally require small trimmer heads and vice versa. This is because when clearing using trimmer line the engine must throw out the trimmer line radially from the trimmer head and overcome the resistance of the grass being cleared.
- The length of the trimmer line is also important. A longer trimmer line requires greater engine power than a shorter trimmer line of the same diameter.
- Make sure that the cutter on the trimmer guard is intact. This is used to cut the trimmer line to the correct length.
- To increase the life of the trimmer line it can be soaked in water for a couple of days. This will make the line tougher so that it lasts longer.

# ASSEMBLY

**NOTE:** Make sure unit is assembled correctly as shown in this manual.

## Fitting the loop handle

- Clip the loop handle onto the shaft. Note that the loop handle must be fitted between the arrows on the shaft.

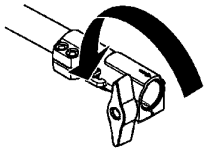



- Slide the spacer into the slot in the loop handle.
- Fit the nut, knob and screw.
- Make a final adjustment of the loop handle to a comfortable working position. Tighten the knob (do not overtighten).

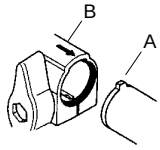
## Assembling and dismantling the two-piece shaft

**Assembly:**

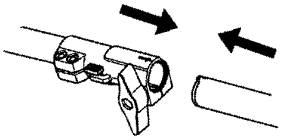
- Loosen the coupling by turning the knob.



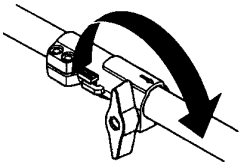
- Align the tab of the attachment (A) with the arrow on the coupling (B).




- Push the attachment into the coupling until the attachment snaps into place.

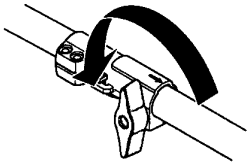


- Before using the unit, tighten the knob securely.

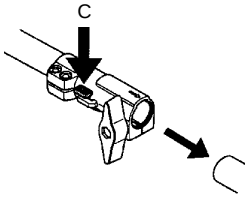


**Dismantling:**

- Loosen the coupling by turning the knob (at least three times).

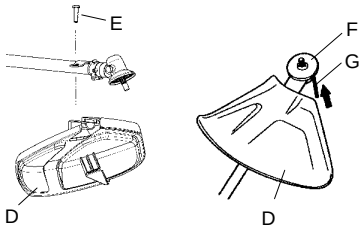


- Push and hold the button (C). While securely holding the engine end, pull the attachment straight out of the coupling.

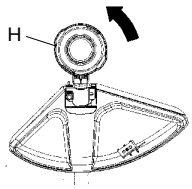


## Fitting the trimmer guard and trimmer head

- Fit the correct trimmer guard (D) for use with the trimmer head. Hook the trimmer guard/combination guard onto the fitting on the shaft and secure with the bolt (E).




- Fit the drive disc (F) on the output shaft.
- Turn the shaft until one of the holes in the drive disc aligns with the corresponding hole in the gear housing.
- Insert hex wrench (G) in the hole to lock the shaft.
- Screw on the trimmer head (H) in the opposite direction to the direction of rotation.




- To dismantle, follow the instructions in the reverse order.

# FUEL HANDLING

## Fuel safety

Never start the machine:

1. If you have spilled fuel on it. Wipe off the spillage and allow remaining fuel to evaporate.
2. If you have spilled fuel on yourself or your clothes, change your clothes. Wash any part of your body that has come in contact with fuel. Use soap and water.
3. If the machine is leaking fuel. Check regularly for leaks from the fuel cap and fuel lines.

### Transport and storage

- Store and transport the machine and fuel so that there is no risk of any leakage or fumes coming into contact with sparks or naked flames, for example, from electrical machinery, electric motors, electrical relays/switches or boilers.
- When storing and transporting fuel always use approved containers intended for this purpose.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local petrol station to find out where to dispose of excess fuel.
- Ensure the machine is cleaned and that a complete service is carried out before long-term storage.
- In order to prevent unintentional starting of the engine, the spark plug cap must always be removed during long-term storage, if the machine is not under close supervision and when performing all service measures.
- Secure the machine during transport.

**WARNING: Take care when handling fuel. Bear in mind the risk of fire, explosion and inhaling fumes.**

## Fuel

**CAUTION!** The machine is equipped with a two-stroke engine and must always be run using a mixture of petrol and two-stroke engine oil. It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained. When mixing small amounts of fuel, even small inaccuracies can drastically affect the ratio of the mixture.

**WARNING: Fuel and fuel fumes are highly inflammable and can cause serious injury when inhaled or allowed to come in contact with the skin. For this reason observe caution when handling fuel and make sure there is adequate ventilation.**

### Petrol

**CAUTION!** Always use a good quality petrol/oil mixture (at least 90 octane).
Use low-emission petrol, also known as alkylate petrol, if it is available.

- The lowest octane recommended is 90. If you run the engine on a lower octane than 90, it can result in knocking. This gives rise to a high engine temperature, which can result in serious engine damage.
- When working at continuous high revs, a higher octane rating is recommended.

### Two-stroke oil

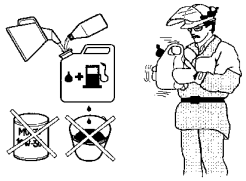
- For best results and performance, use HUSQVARNA two-stroke oil, which is specially formulated for our two-stroke engines. Mixture 1:50 (2%).
- If HUSQVARNA two-stroke oil is not available, you may use another two-stroke oil of good quality that is intended for air cooled engines. Contact your dealer when selecting an oil. Mixing ratio 1:33 (3%).
- Never use two-stroke oil intended for water-cooled outboard engines, sometimes referred to as outboard oil.
- Never use oil intended for four-stroke engines.

| Petrol, litre | Two-stroke oil, litre | |
|---|---|---|
| | 2% (1:50) | 3% (1:33) |
| 5 | 0,10 | 0,15 |
| 10 | 0,20 | 0,30 |
| 15 | 0,30 | 0,45 |
| 20 | 0,40 | 0,60 |

# FUEL HANDLING

## Mixing

- Always mix the petrol and oil in a clean container intended for fuel.
- Always start by flling half the amount of the petrol to be used. Then add the entire amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of petrol.
- Mix (shake) the fuel mixture thoroughly before filling the machine's fuel tank.



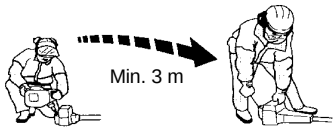
- Do not mix more than one month's supply of fuel at a time.
- If the machine is not used for some time, the fuel tank should be emptied and cleaned.

**WARNING: The catalytic converter muffler gets very hot during and after use. This also applies during idling. Be aware of the fire hazard, especially when working near flammable substances and/or vapors.**

## Fueling

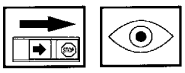
**WARNING: Taking the following precautions, will lessen the risk of fire:**
**Do not smoke or place hot objects near fuel.**
**Always shut off the engine before refueling.**
**Always stop the engine and let it cool for a few minutes before refuelling.**
**When refueling, open the fuel cap slowly so that any excess pressure is released gently.**
**Tighten the fuel cap carefully after refueling.**
**Always move the machine away from the refueling area before starting.**

- Clean the area around the fuel cap. Contamination in the tank can cause operating problems.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.



# STARTING AND STOPPING

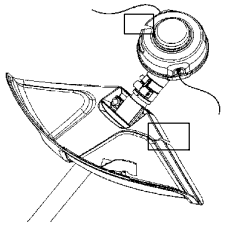
## Check before starting



**WARNING: When the engine is started with the choke in either the choke or start throttle positions the cutting attachment will start to rotate immediately.**

- Never start the machine indoors. Exhaust fumes can be dangerous if inhaled.
- Observe your surroundings and make sure that there is no risk of people or animals coming into contact with the cutting equipment.
- Place the machine on the ground, ensure the cutting attachment is clear of twigs and stones. Hold the body of the machine on the ground using your left hand (**CAUTION!** Not with your foot). Then grip the starter handle with your right hand and pull the starter cord.

- Check that the trimmer head and trimmer guard are not damaged or cracked. Replace the trimmer head or trimmer guard if they have been exposed to impact or are cracked.



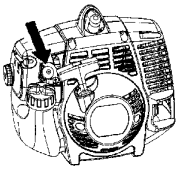
- Never use the machine without a guard nor with a defective guard.

## Starting and stopping

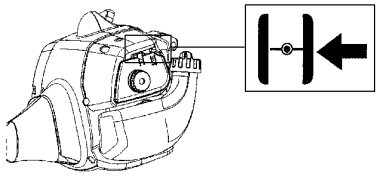
**WARNING: The complete clutch, clutch cover, and shaft must be fitted before the machine is started, otherwise parts could come loose and cause personal injury.**
**Always move the machine away from the refueling area before starting. Place the machine on a flat surface. Ensure the cutting attachment cannot come into contact with any object.**
**Make sure no unauthorized persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 15 meters.**

### Cold engine

**Primer bulb:** Press the primer bulb 10 times until fuel begins to fill the bulb. The primer bulb need not be completely filled.

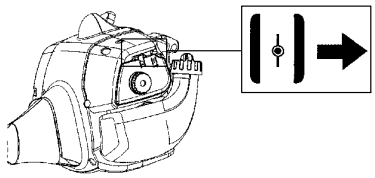


**Choke:** Move the blue engine choke lever over to the closed position.



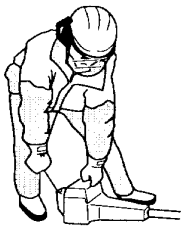
### Starting

Hold the body of the machine on the ground using your left hand (**CAUTION!** Not with your foot!).
Firmly grip the starter rope handle with your right hand. **DO NOT squeeze throttle trigger.** Slowly pull out the cord until you feel some resistance (the starter pawls grip); then quickly and powerfully pull the cord.
***Never wrap the starter cord around your hand.***
Repeat pulling the cord until the engine attempts to start. Move the blue engine choke lever to the ½ position. Pull starter rope until engine runs. Move the blue engine choke lever to the opened position.



**NOTE:** If engine dies, return blue engine choke lever to the closed position and repeat starting steps.

**CAUTION!** Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.

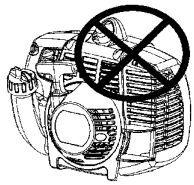


### Warm engine

With a warm engine, move the blue engine choke lever to the ½ position. Pull starter rope until engine runs. Move the blue engine choke lever to the opened position.

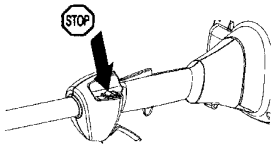
**CAUTION!**

Do not put any part of your body in marked area. Contact can result in burns to the skin, or electrical shock if the spark plug cap has been damaged. Always use gloves. Do not use a machine with damaged spark plug cap.



### Stopping

Stop the engine by pushing and holding the stop switch in the STOP position until the engine stops.




**WARNING: When the engine is started with the choke in the closed position the cutting attachment will start to rotate immediately.**

**CAUTION!** The stop switch automatically returns to the start position. In order to prevent unintentional starting, the spark plug cap must be removed from the spark plug when assembling, checking and/or performing maintenance.

# WORKING TECHNIQUES

## General working instructions

**IMPORTANT!**
This section describes the basic safety precautions for working with trimmers. If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your servicing dealer.
Avoid all usage which you consider to be beyond your capability.
You must understand the difference between forestry clearing, grass clearing and grass trimming before use.

### Basic safety rules

1. Look around you:
   - To ensure that people, animals or other things cannot affect your control of the machine.
   - To ensure that people, animals, etc., do not come into contact with the cutting attachment or loose objects that are thrown out by the cutting attachment.
   - **CAUTION!** Do not use the machine unless you are able to call for help in the event of an accident.
2. Do not use the machine in bad weather, such as dense fog, heavy rain, strong wind, intense cold, etc. Working in bad weather is tiring and often brings added risks, such as icy ground, unpredictable felling direction, etc.
3. Make sure you can move and stand safely. Check the area around you for possible obstacles (roots, rocks, branches, ditches, etc.) in case you have to move suddenly. Take great care when working on sloping ground.

4. Switch off the engine before moving to another area.
5. Never put the machine down with the engine running or while the cutting attachment is rotating.

**WARNING: Neither the operator of the machine nor anyone else may attempt to remove the cut material while the engine is running or the cutting equipment is rotating, as this can result in serious injury. Stop the engine and cutting equipment before you remove material that has wound around the blade shaft as otherwise there is a risk of injury. The bevel gear can get hot during use and may remain so for a while afterwards. You could get burned if you touch it.**

**WARNING: Watch out for thrown objects. Always wear approved eye protection. Never lean over the cutting attachment guard. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury. Keep unauthorised persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. Stop the machine immediately if anyone approaches. Never swing the machine around without first checking behind you to make sure noone is within the safety zone.**

## Basic working techniques

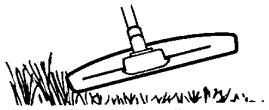
- Always slow the engine to idle speed after each working operation. Long periods at full throttle without any load on the engine can lead to serious engine damage.

**WARNING: Sometimes branches or grass get caught between the guard and cutting attachment. Always stop the engine before cleaning.**

### Grass trimming with a trimmer head

**Trimming**

- Hold the trimmer head just above the ground at an angle. It is the end of the trimmer line that does the work. Let the trimmer line work at its own pace. Never press the trimmer line into the area to be cut.



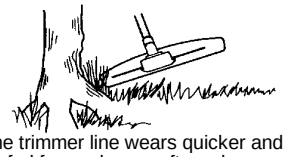
- The trimmer line can easily remove grass and weeds up against walls, fences, trees and borders, however it can also damage sensitive bark on trees and bushes, and damage fence posts.

# WORKING TECHNIQUES

- Reduce the risk of damaging plants by shortening the trimmer line to 4–4 1/2 inches (10–12 cm) and reducing the engine speed.
- When trimming you should use less than full throttle so that the trimmer line lasts longer and to reduce the wear on the trimmer head.

**Clearing**

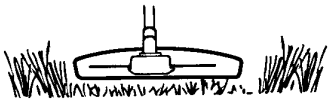
- The clearing technique removes all unwanted vegetation. Keep the trimmer head just above the ground and tilt it. Let the end of the trimmer line strike the ground around trees, posts, statues and the like. **CAUTION!** This technique increases the wear on the trimmer line.



- The trimmer line wears quicker and must be fed forward more often when working against stones, brick, concrete, metal fences, etc., than when coming into contact with trees and wooden fences.

**Cutting**

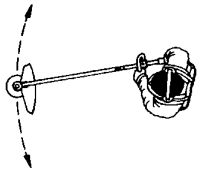
- The trimmer is ideal for cutting grass that is difficult to reach using a normal lawn mower. Keep the trimmer line parallel to the ground when cutting. Avoid pressing the trimmer head against the ground as this can ruin the lawn and damage the tool.



- Do not allow the trimmer head to constantly come into contact with the ground during normal cutting. Constant contact of this type can cause damage and wear to the trimmer head.

**Sweeping**

- The fan effect of the rotating line can be used for quick and easy clearing up. Hold the trimmer line parallel to and above the area to be swept and move the tool to and fro.



- When cutting and sweeping you should use full throttle to obtain the best results.

**WARNING: Neither the operator of the machine nor anyone else may attempt to remove the cut material while the engine is running or the trimmer line is rotating, as this can result in serious injury. Stop the engine and trimmer head before you remove material that has wound around the drive shaft as otherwise there is a risk of injury. The bevel gear can get hot during use and may remain so for a while afterwards. You could get burned if you touch it.**

**WARNING: Watch out for thrown objects. Always wear eye protection. Never lean over the cutting attachment guard. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury. Keep unauthorized persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. Stop the machine immediately if anyone approaches.**

The owner is responsible for the performance of all required maintenance as defined in the operator's manual.

## Carburetor

Your Husqvarna product has been designed and manufactured to specifications that reduce harmful emissions. After the engine has used 8–10 tanks of fuel, the engine will be run–in. To ensure that it continues to run at peak performance and to minimize harmful exhaust emissions after the run–in period, ask your servicing dealer to adjust your carburetor.

**WARNING: The complete clutch, clutch cover, and shaft must be fitted before the machine is started, otherwise parts could come loose and cause personal injury.**

### Function

- The carburetor governs the engine's speed via the throttle control. Air and fuel are mixed in the carburetor.
- The T–screw regulates the throttle setting at idle speed. If the T–screw is turned clockwise this gives a higher idle speed; turning it counterclockwise gives a lower idle speed.

### Basic setting

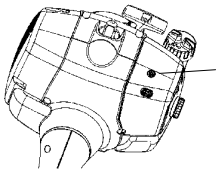
- The basic carburetor settings are adjusted during testing at the factory. Fine adjustment should be carried out by a skilled technician.

**CAUTION!** If the cutting attachment rotates when the engine is idling the idle adjustment screw T should be turned counterclockwise until the cutting attachment stops.

**Rec. idle speed:**
See "Technical data" section.
**Recommended max. speed:**
See "Technical data" section.

### Fine adjustment of the idle speed–T

Adjust the idle speed using the idle adjustment screw–T if it is necessary to readjust. First, turn the idle adjustment screw–T clockwise until the cutting attachment starts to rotate. Then, turn the screw counterclockwise until the cutting attachment stops. The idle speed is correctly adjusted when the engine will run smoothly in every position. The idle speed should also be well below the speed at which the cutting attachment starts to rotate.

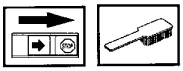



**WARNING: If the idle speed cannot be adjusted so that the cutting attachment stops, contact your servicing dealer. Do not use the machine until it has been correctly adjusted or repaired.**

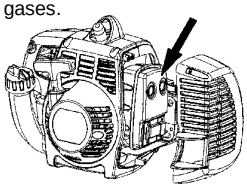
## Unit/Maintenance Safety

Disconnect the spark plug before performing maintenance, except carburetor adjustments.

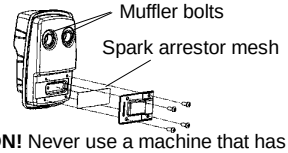
## Muffler



**CAUTION!** Muffler is fitted with a catalytic converter designed to reduce harmful exhaust gases.



The muffler is designed to reduce the noise level and to direct the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks, which may cause fire if directed against dry and combustible material.
Mufflers are equipped with a special spark arrestor mesh. You should clean the mesh at least once a month. This is best done with a wire brush. **If the mesh is damaged it should be replaced.** If the mesh is frequently blocked, this can be a sign that the performance of the catalytic converter is impaired. Contact your dealer to inspect the muffler. A blocked mesh will cause the machine to overheat and result in damage to the cylinder and piston.




**CAUTION!** Never use a machine that has a faulty or loose muffler. Ensure the muffler bolts are tight.

**WARNING: Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!**

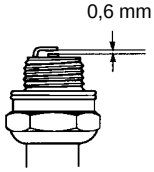
**WARNING: The inside of the muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.**

**WARNING: Bear in mind that: Engine exhaust fumes contain carbon monoxide, which can cause carbon monoxide poisoning. For this reason you should not start or run the machine indoors, or anywhere that is poorly ventilated. The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!**

## Spark plug

The spark plug condition is influenced by:
- Incorrect carburetor adjustment.
- An incorrect fuel mixture (too much or incorrect type of oil).
- A dirty air filter.

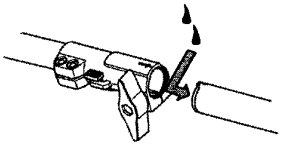
These factors cause deposits on the spark plug electrodes, which may result in operating problems and starting difficulties.
If the machine is low on power, difficult to start or runs poorly at idle speed: always check the spark plug first before taking any further action. If the spark plug is dirty, clean it and check that the electrode gap is 0,6 mm. The spark plug should be replaced after about a month in operation or earlier if necessary.



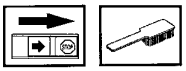

**CAUTION!** Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/cylinder.

## Two-piece shaft

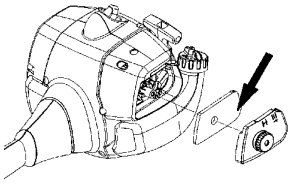
The drive shaft end in the lower shaft should be lubricated with grease every 30 hours. There is a risk that the drive shaft ends (splined coupling) will seize if they are not lubricated regularly.



## Air filter



The air filter must be regularly cleaned to remove dust and dirt in order to avoid:
- Carburetor malfunctions
- Starting problems
- Loss of engine power
- Unnecessary wear to engine parts
- Excessive fuel consumption



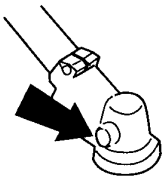
Clean the filter every 25 hours, or more regularly if conditions are exceptionally dusty.

### Cleaning the air filter

Remove the air filter cover and take out the filter. Wash it clean in warm, soapy water. Rinse thoroughly. Ensure that the filter is dry before refitting it.
An air filter that has been in use for a long time cannot be cleaned completely. The filter must therefore be replaced with a new one at regular intervals. **A damaged air filter must always be replaced.**

## Bevel gear

The bevel gear is filled with the right quantity of grease at the factory. However, before using the machine you should check that the bevel gear is filled three-quarters full with grease. Use HUSQVARNA special grease.



The grease in the bevel gear does not normally need to be changed except if repairs are carried out.

## Maintenance schedule

The following is a list of the maintenance that must be performed on the machine. Most of the items are described in the Maintenance section. The user must only carry out the maintenance and service work described in this Operator's Manual. More extensive work must be carried out by an authorised service workshop.

| Maintenance | Daily Maintenance | Weekly Maintenance | Monthly Maintenance |
|---|---|---|---|
| Clean the outside of the machine. | X | | |
| Make sure the throttle trigger lock and the throttle function correctly from a safety point of view. | X | | |
| Check that the stop switch works correctly. | X | | |
| Check that the cutting attachment does not rotate at idle. | X | | |
| Clean the air filter. Replace if necessary. | X | | |
| Check that the cutting attachment guard is undamaged and not cracked. Replace the cutting attachment guard if it has been exposed to impact or is cracked. | X | | |
| Check that the trimmer head is undamaged and not cracked. Replace the trimmer head if necessary. | X | | |
| Check that nuts and screws are tight. | X | | |
| Check that there are no fuel leaks from the engine, tank or fuel lines. | X | | |
| Check the starter and starter cord. | | X | |
| Clean the outside of the spark plug. Remove it and check the electrode gap. Adjust the gap to 0,6 mm or replace the spark plug. Check that the spark plug is fitted with a suppressor. | | X | |
| Clean the outside of the carburetor and the space around it. | | X | |
| Check that the bevel gear is filled three-quarters full with lubricant. Fill if necessary using special grease. | | X | |
| Check the fuel filter from contamination and the fuel hose from cracks or other defects. Replace if necessary. | | | X |
| Check all cables and connections. | | | X |
| Check the clutch, clutch springs and the clutch drum for wear. Replace if necessary by an autorized service workshop. | | | X |
| Replace the spark plug. Check that the spark plug is fitted with a suppressor. | | | X |
| Clean or replace the spark arrestor mesh on the muffler. | | | X |

## Technical data

| | 128LDX |
|---|---|
| **Engine** | |
| Cylinder displacement, $cm^3$ | 28 |
| Cylinder bore, mm | 35 |
| Stroke, mm | 28,7 |
| Idle speed, rpm | 2800–3200 |
| Recommended max. fast idle speed, rpm | 11000 |
| Speed of output shaft, rpm | 8000 |
| Max. engine output, acc. to ISO 8893, kW | 0,8 |
| Catalytic converter muffler | Yes |
| Speed-regulated ignition system | Yes |
| **Ignition system** | |
| Spark plug | Champion RCJ-8Y |
| Electrode gap, mm | 0,6 |
| **Fuel and lubrication system** | |
| Fuel tank capacity, litre | 0,4 |
| **Weight** | |
| Weight without fuel, cutting attachment and guard, kg | 5,0 |
| **Noise emissions** | |
| (see note 1) | |
| Sound power level, measured dB(A) | 110 |
| Sound power level, guaranteed $L_{WA}$ dB(A) | 114 |
| **Noise levels** | |
| (see note 2) | |
| Equivalent sound pressure level at the operators' ear, measured according to EN/ISO 11806 and ISO 22868, dB(A) | |
| Equipped with trimmer head (original) | 100 |
| **Vibration levels (see Note 3)** | |
| Equivalent vibration levels ($a_{hv,eq}$) at handles, measured according to EN ISO 11806 and ISO 22867, $m/s^2$ | |
| Equipped with trimmer head (original), left/right | 3,2/4,2 |

**Note 1:** Noise emissions in the environment measured as sound power ($L_{WA}$) in conformity with EC directive 2000/14/EC. Reported sound power level for the machine has been measured with the original cutting attachment that gives the highest level. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

**Note 2:** Reported data for equivalent sound pressure level for the machine has a typical statistical dispersion (standard deviation) of 1 dB(A).

**Note 3:** Reported data for equivalent vibration level has a typical statistical dispersion (standard deviation) of 1 $m/s^2$.

# TECHNICAL DATA

| **Model 128LDX** (M10 LH arbor shaft thread) | | |
|---|---|---|
| **Approved accessories** | **Type** | **Cutting attachment /guard, part. no.** |
| Trimmer head | T25 (∅ 2,4 - 2,7 mm line) | 537 33 83-06 / 545 03 09-01 |
| Plastic blades | Tri-cut 300 mm (separate blades have part number 531 00 77-15) | 531 00 38-11 / 545 03 09-01 |

| **Attachments** | **Part. no.** |
|---|---|
| Grass blade/grass cutter kit | 952 715 616 |
| Cultivator attachment with shaft | 952 711 907 / 537 42 54-01 |
| Edger attachment with shaft | 952 711 908 / 537 19 69-01 |
| Blower attachment with shaft | 952 711 911 |
| Pruner attachment with shaft | 952 711 910 / 537 18 33-16 |
| Clean sweep attachment with shaft | 537 19 67-01 |
| Hedge trimmer attachment with shaft | 537 19 66-05 / 537 19 66-06 |
| Trimmer attachment | 537 35 35-01 |

# DECLARATION OF CONFORMITY

**EC Declaration of Conformity** (Only applies to Europe)

We, **Husqvarna AB**, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, as authorised representative in the Community, declare that the grass trimmer model **Husqvarna 128LDX** with serial numbers dating from 2009 and onwards (the year is clearly stated on the rating plate, followed by the serial number), comply with the requirements of the **COUNCIL'S DIRECTIVES**:

of 17 May 2006 "relating to machinery" **2006/42/EC**;

of 15 December 2004 "relating to electromagnetic compatibility" **2004/108/EC**, and applicable supplements; and

of 8 May 2000 "relating to the noise emissions in the environment" in accordance with Annex V of **2000/14/EC**. For information relating to noise emissions, see Technical data section.

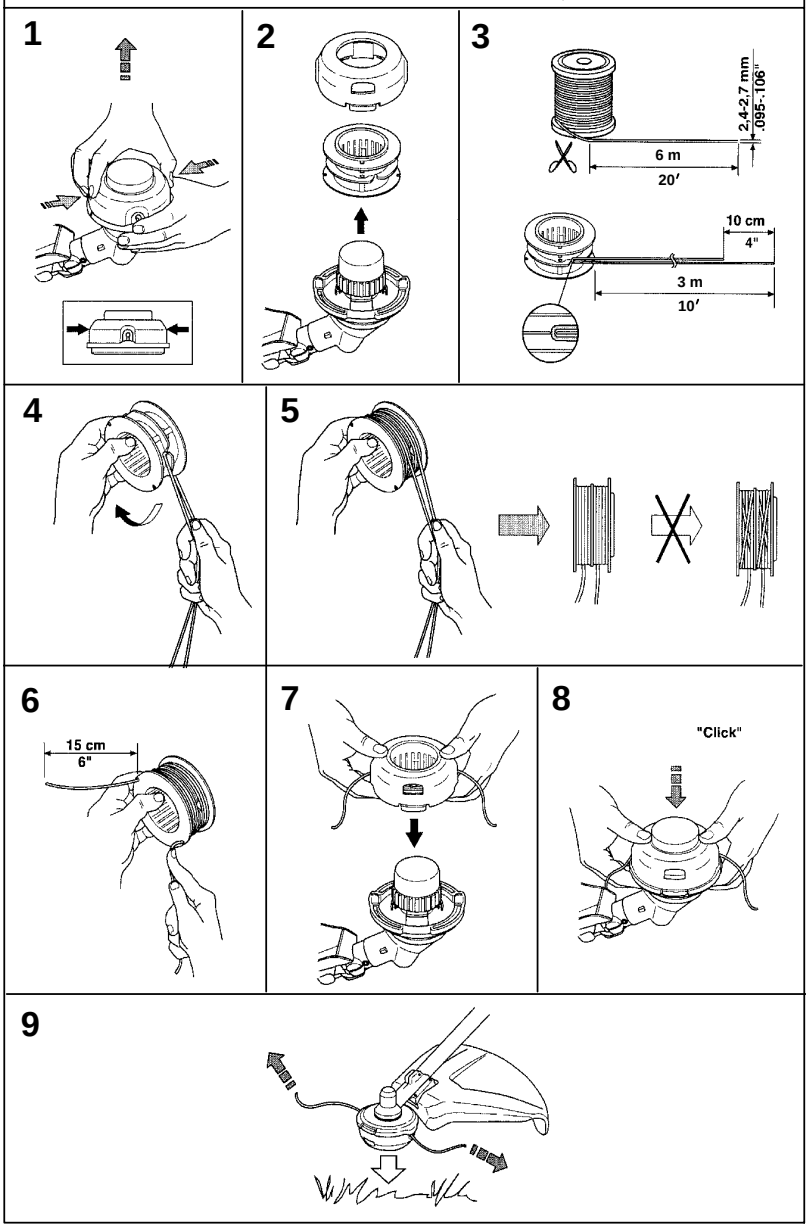
The following standards have been applied: **EN ISO 12100-1/A1:2009, EN ISO 12100-2/A1:2009, CISPR 12:2007, EN 11806:2008**.

**SMP, The Swedish Machinery Testing Institute,** Fyrisborgsgatan 3 S-754 50 Uppsala, Sweden, has performed voluntary type examination on behalf of Husqvarna AB. The certificate(s) are numbered: **SEC/09/2021**.

09-11-01

Ronnie E. Goldman, Director of Engineering
Authorized representative for Husqvarna AB and responsible for technical documentation

## Trimmer Head Line Loading Instructions



## Plastic Blades (Tri Cut)